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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/828,494	04/20/2004	Troy M. Walters	5490-000373	5234
27572 7590 02/26/2008 HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			EXAMINER	
			ARAJ, MICHAEL J	
BLOOMFIELD TILLS, WII 46303			ART UNIT	PAPER NUMBER
			3733	
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			02/26/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/828,494	WALTERS ET AL.
Office Action Summary	Examiner	Art Unit
	MICHAEL J. ARAJ	3733
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be ti d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1)☑ Responsive to communication(s) filed on 30 2a)☐ This action is FINAL . 2b)☑ Th 3)☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, pr	
Disposition of Claims		
4) Claim(s) 21-47 is/are pending in the application 4a) Of the above claim(s) is/are withdrest split of the above claim(s) is/are withdrest split of the above claim(s) is/are allowed. 6) Claim(s) 21-47 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or are subject to restriction and/or are subject to restriction and/or are subjected to by the Every is split of the by the Every is split of the by the Every in the split of the by the by the split of the by the split of the by the by the split of the by the by the split of the by	rawn from consideration. /or election requirement.	
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) according a deposition of the deposition and applicant may not request that any objection to the Replacement drawing sheet(s) including the corresponding to the end of the deposition of the end of the	ccepted or b) objected to by the e drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bure * See the attached detailed Office action for a list.	nts have been received. nts have been received in Applicat iority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 21-25 and 28-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Harari et al. (U.S. Patent No. 6,328,744).

Hariri et al. disclose a method of forming a non-linear tunnel through a bone structure comprising interconnecting a flexibly drill shaft and a drill head; forming a small incision in a tissue near the bone structure; passing a drill head with the flexible drill shaft percutaneously through the small incision; drilling into the bone structure with the drill head; guiding the drill head with the flexible drill shaft with a guide mechanism along a selected non-linear cutting path; forming the selected non-linear cutting path between and entering position and an exiting position spaced a distance from the entering position in the bone structure; providing a suture near the exiting position; moving the drill head and the flexible drill shaft; engaging the suture with a suture mechanism near the drill head; and pulling the suture from the exiting position to the entering position with the suture mechanism. The guide mechanism includes a flexible rod at least partially enclosing at least a portion of the flexible drill shaft and having a proximal end and dist all end where the flexible drill shaft is coupled to the flexible rod at the proximal end. The flexible member is interconnected with a distall end of the flexible drill shaft.

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Sliding of a handle to tension the flexible member moves the flexible member to engage the drill head (see Figures 17A-17D).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 26 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harari et al. (U.S. Patent No. 6,328,744).

Harari et al. disclose the claimed invention except for the shaft or flexible rod being made of a memory shape alloy. It would have been obvious to one having ordinary skill in the art at the time the invention was made the devices of a memory shape alloy, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. In re Leshin, 125 USPQ 416.

Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Harari et al. (U.S. Patent No. 6,328,744) in view of Moore et al. (U.S. Patent No. 4,872,451).

Harari et al. disclose the claimed invention except for positioning of an arthroscope. Moore et al. disclose the use of an arthroscope for visualization of a selected region (Col. 3, Paragraph 6). It would have been obvious to one skilled in the

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Claims 36-41 and 43-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harari et al. (U.S. Patent No. 6,328,744) further in view of Hyde (U.S. Publication No. 2002/0095214).

Harari discloses the claimed invention except for being used on a humeral head. Hyde discloses forming a nonlinear tunnel through the head of the humerus (Fig. 2D) wherein the entry position is near at least one of a lateral side of the humerus, a superior side of the humeral head, or combinations thereof; and the exit position is at least one of the other of the lateral side of the humerus, the superior side of the humeral head, or combinations thereof. The path shown by Hyde can be performed by the device of Harari et al., for quicker treatment of the joint. It would have been obvious to one skilled in the art at the time the invention was made to have used the device of Harari et al. on a humerus as taught by Hyde in order to reduce the amount of steps needed for this surgery.

Claim 42 is rejected under 35 U.S.C. 103(a) as being unpatentable over Harari et al. (U.S. Patent No. 6,328,744) in view of Hyde (U.S. Publication No. 2002/0095214) and further in view of Moore et al. (U.S. Patent No. 4,872,451).

The combination of Harari et al. and Hyde discloses the claimed invention except for positioning of an arthroscope. Moore et al. disclose the use of an arthroscope for visualization of a selected region (Col. 3, Paragraph 6). It would have been obvious to one skilled in the art at the time the invention was made to have the method of Harari et

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al. and Hyde with the use of an arthroscope in view of Moore et al., in order to better visualize the procedure.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 for art cited of interest.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL J. ARAJ whose telephone number is (571)272-5963. The examiner can normally be reached on M-F 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo Robert can be reached on 571-272-4719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call

/Michael J Araj/

Examiner, Art Unit 3733

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Supervisory Patent Examiner, Art Unit 3733

800-786-9199 (IN USA OR CANADA) or 571-272-1000.